

## ABSTRACT

An earphone system 201 comprises an earphone 211, a microphone 212, a connection plug 213, a signal cable 214 for  
5 connecting those, and a hollow cylindrical high-frequency current  
suppressor 215 attached to the signal cable 214 at a position near  
the earphone 211 with covering an external circumferential  
surface 216a of the cable housing 216. When used for a terminal  
equipment for mobile communication, high-frequency current  
10 generated by electromagnetic waves produced from the terminal  
equipment can be reduced. The earphone system 201 can prevent  
an increase of SAR value in human head.